LDP-7000 Introduction

LG Business Communication Solution

Sep. 2004

A Better Life with Digital

LG

Digitally yours

Concept overview

- **Trendy and Stylish New design**
- **Enhanced Segmenting/Positioning**
  - 6 Models & 7 Options
- **Easier operation like Mobile Phone with Soft & Navigation Keys**
  - Call Log/Multiple melody etc.
  - Interactive Call Handling
  - Easier user interface
- **Future ready with Value Added features**
  - Individual Voice recording using USB option
  - Wireless solution with Bluetooth Interface

Design Overview

- More attractive look with LG Identity
- Better LCD view with both LCD tilting and base tilting
- Easier Interface with wider LCD

LDP-7000 Overall Specifications

	Variation/ Target	7004N Entry	7004D Entry	7008D Basic	7016D STD	7024D Adv	7024LD Deluxe
Hardware	Family look design						
	LCD Size	-	1X16	2X24	3X24	3X24	Graphic LCD
	Soft Keys	-	-	-	3	3	3
	Navigation Keys	-	-	-	O	O	O
	Flex btns	2(S_LEDs)	2(S_LEDs)	8 (D_LEDs)	16 (D_LEDs)	24 (D_LEDs)	24 (DLEDs)
	Fixed btns	5	5	5	7	9	9
	Speaker	OHD	OHD	Half duplex	Half duplex	Half duplex	Half duplex
	Headset jack	-	-	O	O	O	O
	Wall mountable	O	O	O	O	O	O
	Msg Lamp	O	O	O	O	O	O
	48-DSS	-	-	-	O	O	O
New Values	Call Recording 1)	-	-	-	-	O	O
	Bluetooth I/F 1)	-	-	-	-	O	O
	Melody Ring 1)	-	-	-	O	O	O
	Full Duplex 1)	-	-	-	O	O	O
	Call Log(30ea)	-	-	-	O	O	O

1) Available with optional module

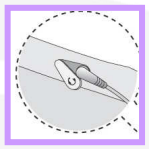
LDP-7016D

Essential and Standard Digital Keyset

Features

- Trendy and Stylish LDP Family design
- Multi Level 3 Line LCD (3*24) : 24 character
- Dual LED 16 Flexible btns
- 7 Fixed btns to maximize convenience
  - Interactive Call Handling with Soft Keys, Navigation Keys, Phone Book, Menu.
- Additional Device Port for SLT and FAX
- Call Log
  - Dialed / Answered / Missed
- Various Option Modules
  - CTU, MFU, FU, MU

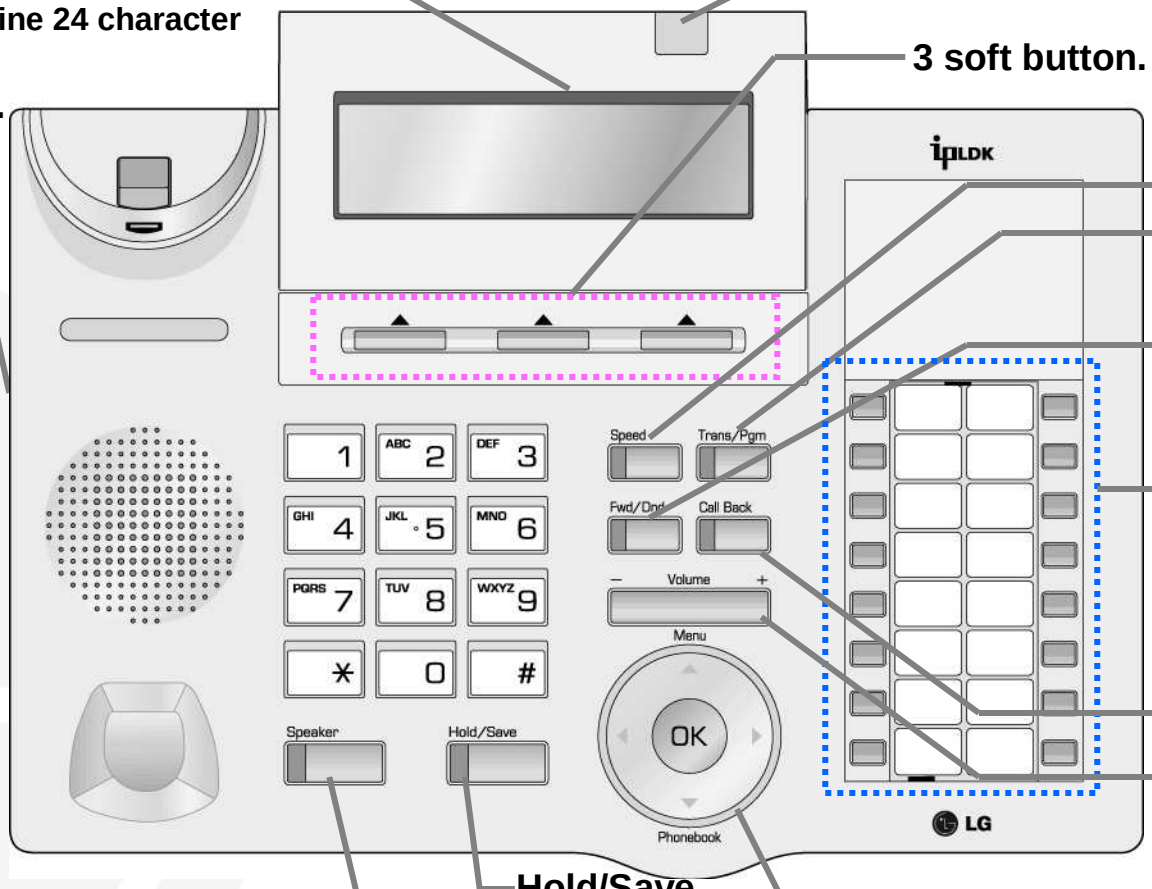
Location of Controls of LDP-7016D



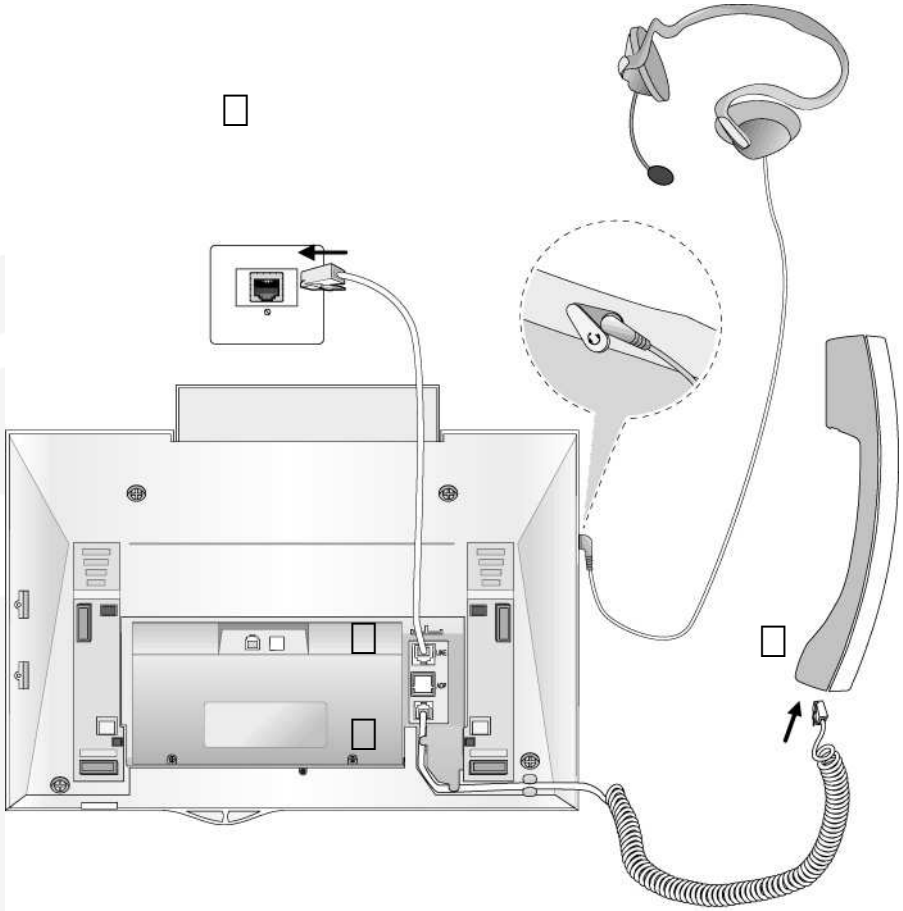
The Headset is optional,
Please use the headset
with 2.5mm plug.

Headset Mode :

Step1: MENU
Step2: 2. ADVANCED PROGRAM
Step3: 5. EAR MIC PROGRAM
Step4: EAR-MIC HEADSET
> ON



CABLE CONNECTION of LDP-7016D



Cable connection

❑ Connect the end of the telephone cord to the handset and the other end to the handset jack at the bottom of the telephone.

❑ Connect the end of the cable to the port at the bottom of telephone and the other end to the switch port.

❑ Connect the Earphone to the headphone jack at the left side of the telephone. (In case front view of the base.)

❑ **THE HEADSET IS OPTIONAL, Please use the headset with 2.5mm plug.**

LDP-7024D

Leading and Highest Level Digital Keyset

Features

- Trendy and Stylish LDP Family design
- Multi Level 3 Line LCD (3*24)
- Dual LED 24 Flexible btns
- 7 Fixed btns to maximize convenience
  - Interactive Call Handling with Soft Keys, Navigation Keys, Phone Book, Menu.
- Individual Call Recording Feature (USB Option)
- wireless headset Solution (Blue tooth, Option)
- Additional Device Port for SLT and FAX
- Call Log Feature
- Value-up Option Modules
  - BTU, USB

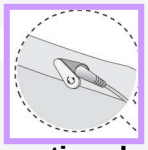
Location of Controls of LDP-7024D

LCD (Liquid Crystal Display)
:3x24 : 3 line 24 character

Ring LED

3 soft button.

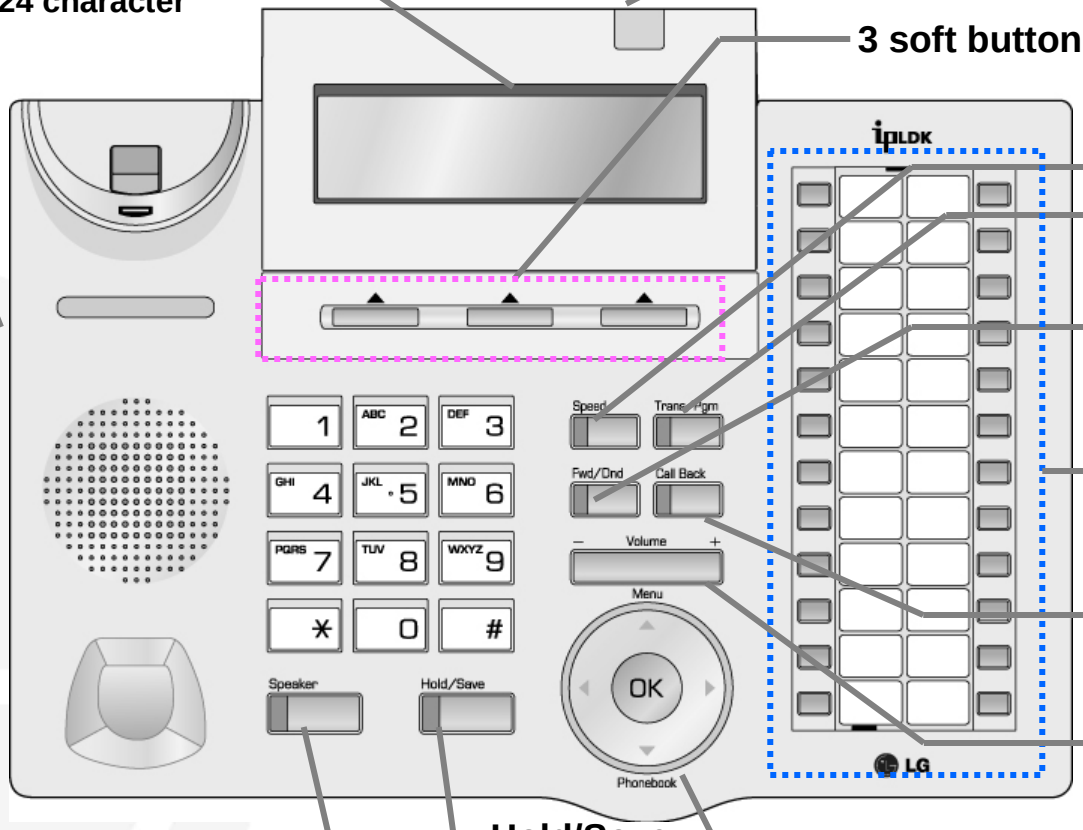
Headset.



The Headset is optional, Please use the headset with 2.5mm plug.

Headset Mode :

Step1: MENU
Step2: 2. ADVANCED PROGRAM
Step3: 5. EAR MIC PROGRAM
Step4: EAR-MIC HEADSET
> ON



Speed
Trans/Pgm
(Transfer/Program)

Dnd/Fwd
(Do not Disturb /Forward)

Flexable

Call Back

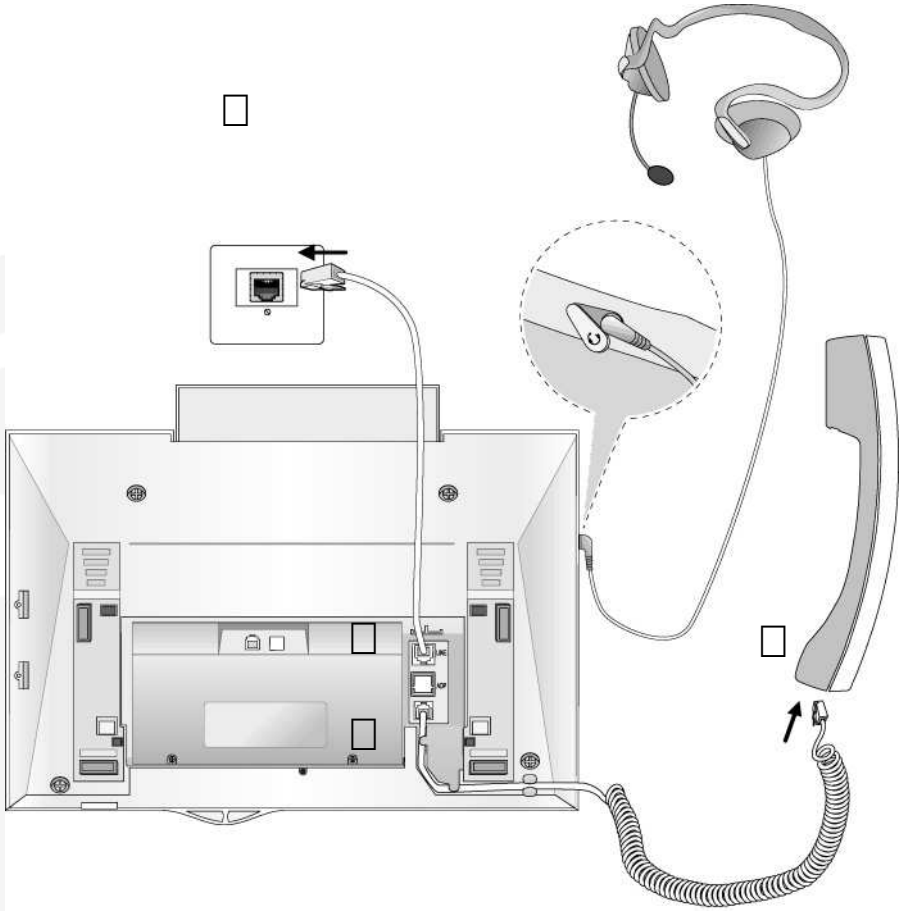
Volume

Hold/Save

Navigatior Key
(Memu, Phonebook)

Speaker

CABLE CONNECTION of LDP-7024D



Cable connection

- Connect the end of the telephone cord to the handset and the other end to the handset jack at the bottom of the telephone.
- Connect the end of the cable to the port at the bottom of telephone and the other end to the switch port.
- Connect the Earphone to the headphone jack at the left side of the telephone. (In case front view of the base.)
- **THE HEADSET IS OPTIONAL, Please use the headset with 2.5mm plug.**

LDP-7024LD

Dignity Digital Keyset with Large LCD

Features

- Trendy and Stylish LDP Family design
- Multi Level Graphic LCD (9*32)
  - Limited Local SMS Feature, Phone Book, Scheduler
- Dual LED 24 Flexible btns
- 7 Fixed btns to maximize convenience
  - Interactive Call Handling with Soft Keys, Navigation Keys, Phone Book, Menu.
- Call Recording Feature (USB Option)
- wireless headset solution (Blue tooth, Option)
- Additional Device Port for SLT and FAX
- Call Log Feature
- Value-up Option Modules
  - BTU, USB

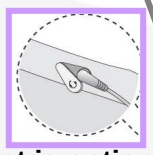
Location of Controls of LDP-7024LD

LCD (Liquid Crystal Display)
:224x144 : 9 line 32 character

Ring LED

3 soft button.

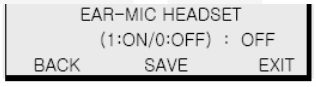
Headset.

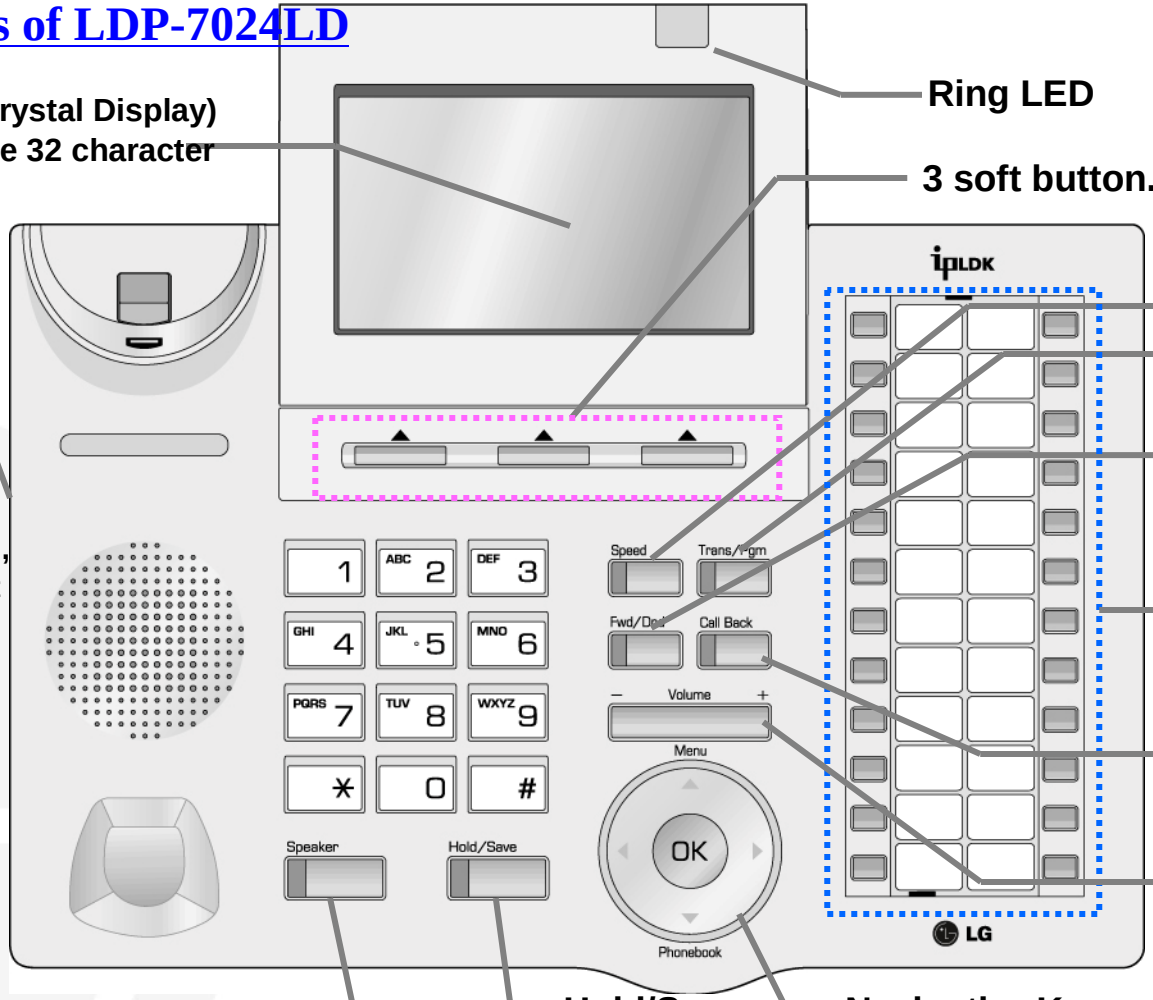


The Headset is optional,
Please use the headset with 2.5mm plug.

Headset Mode :

Step1: MENU
Step2: 4.CUSTOMIZE
Step3: 5.E-MIC HEADSET
Step4:





Speed

Trans/Pgm
(Transfer/Program)

Dnd/Fwd
(Do not Disturb /Forward)

Flexable

Call Back

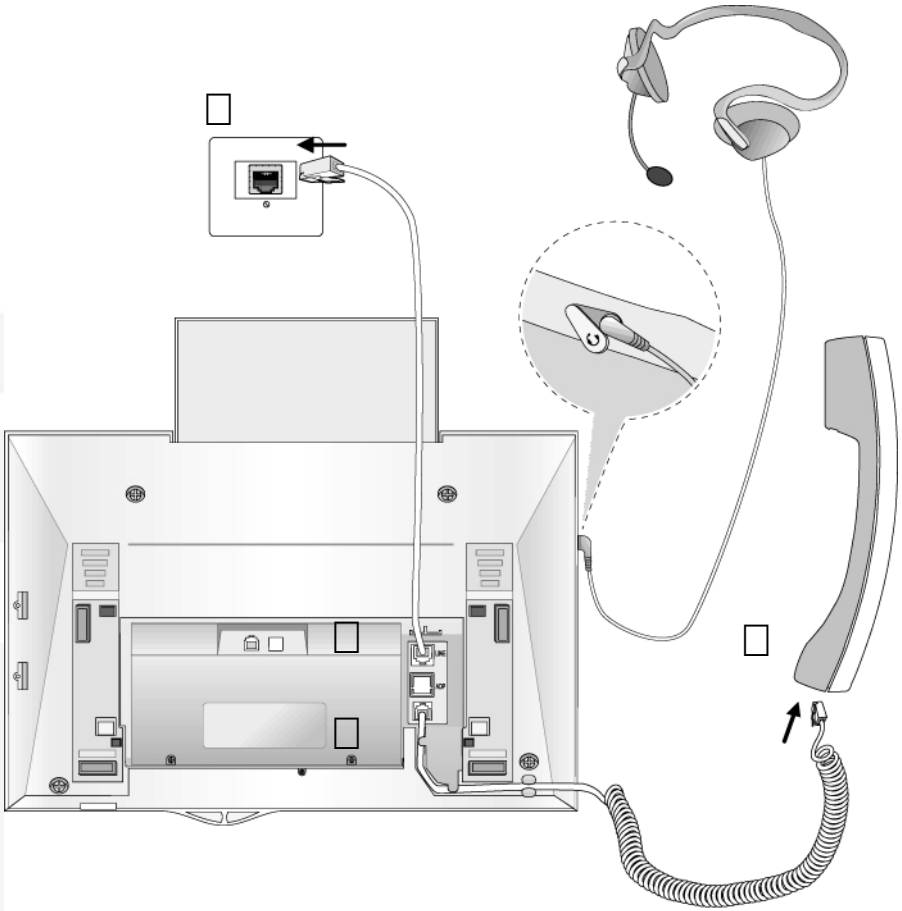
Volume

Hold/Save

Navigatior Key
(Memu, Phonebook)

Speaker

CABLE CONNECTION of LDP-7024LD



Cable connection

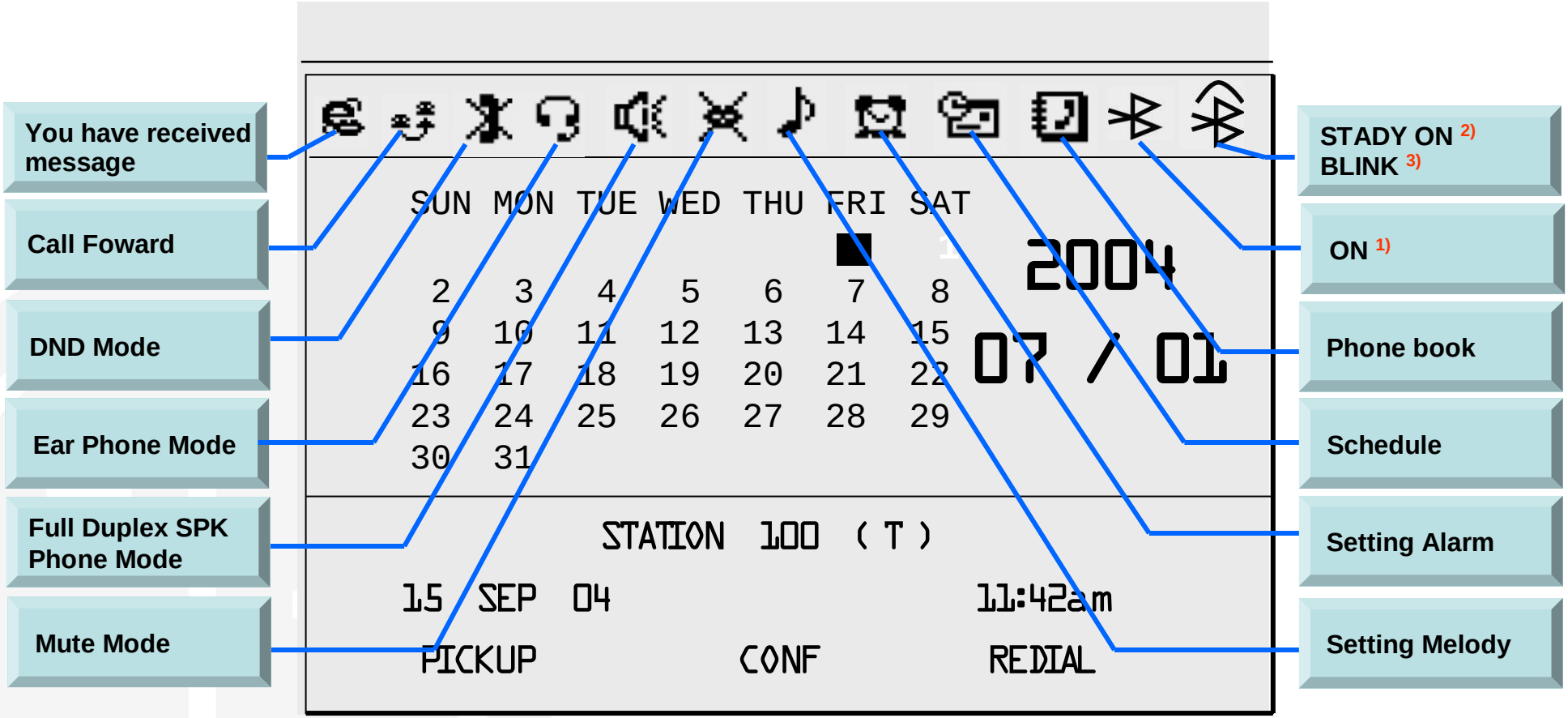
❑ Connect the end of the telephone cord to the handset and the other end to the handset jack at the bottom of the telephone.

❑ Connect the end of the cable to the port at the bottom of telephone and the other end to the switch port.

❑ Connect the Earphone to the headphone jack at the left side of the telephone. (In case front view of the base.)

❑ **THE HEADSET IS OPTIONAL, Please use the headset with 2.5mm plug.**

ICON Discription ON LDP-7024LD

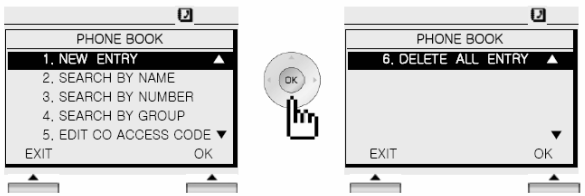


1) **ON** : Already paired but linked-radio with headset
2) **STADY ON** : Ready to make and answer a call.
3) **BLINK** : Ongoing communication via Bluetooth headset.

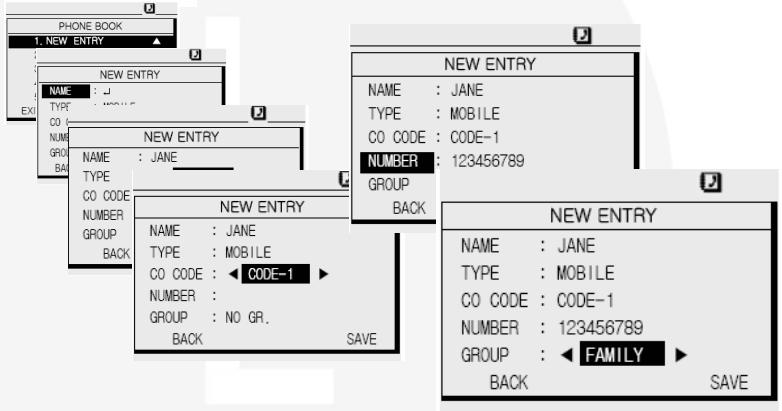
Contents of Display in Large LCD

Phone Book

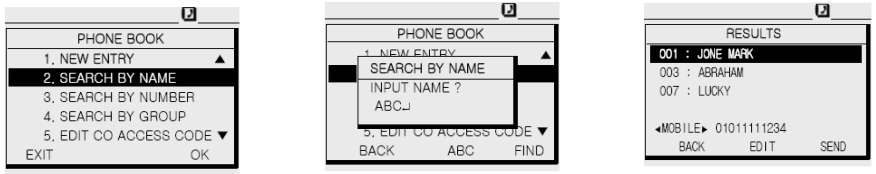
The [PHONE BOOK] is used for registering the new phone number and searching, correcting and deleting the stored phone number.



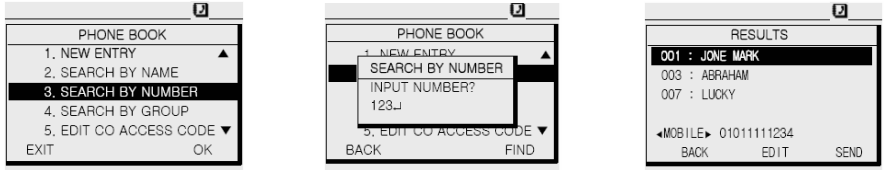
1. NEW ENTRY



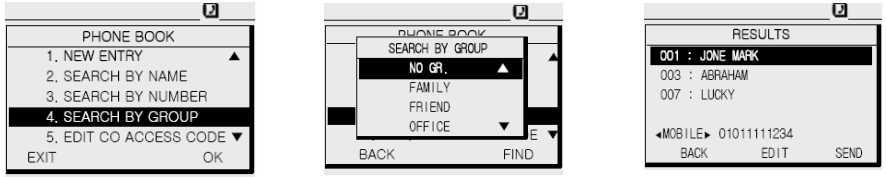
2. SEARCH BY NAME



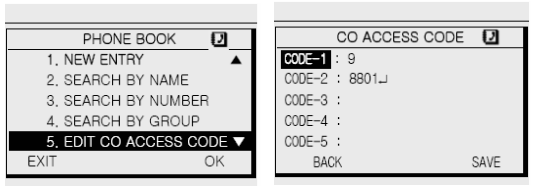
3. SEARCH BY NUMBER



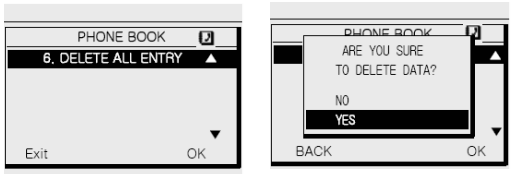
4. SEARCH BY GROUP



5. CO ACCESS CODE

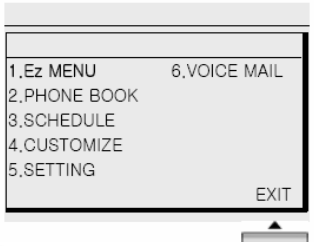


6. DELETE ALL ENTRY



Contents of Display in Large LCD

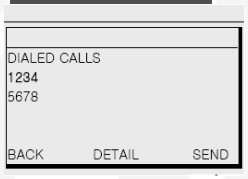
MENU Button



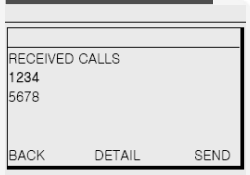
Press the [MENU] button.

1. EZ MENU

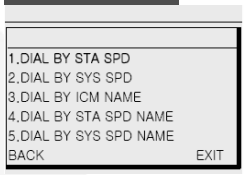
1.1 DIALED CALLS



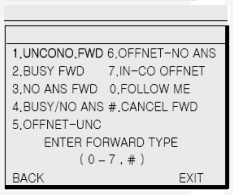
1.2 RECEIVED CALL



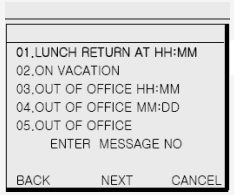
1.3 SPEED DIAL



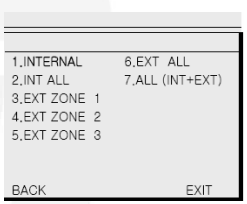
1.4 CALL FORWARD



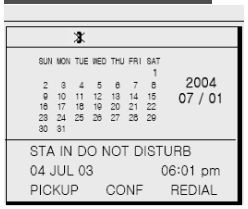
1.5 ABSENT MESSAGE



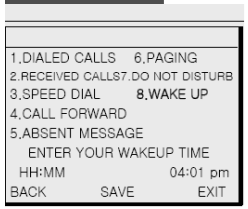
1.6 PAGING



1.7 DO NOT DISTURB



1.8 WAKE UP

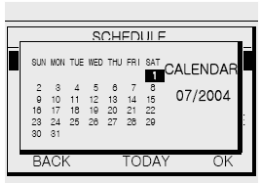


2. PHONE BOOK

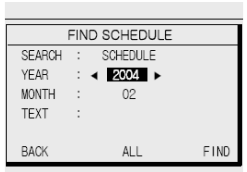
Refer to the preceding Page

3. SCHEDULE

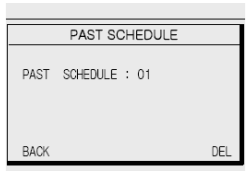
3.1 SCHEDULE ADD/DEL/EDIT



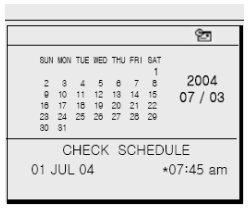
3.2 FIND SCHEDULE



3.3 DELETE PAST SCHEDULE



3.4 VIEW ALARM SCHEDULE



3.5 DELETE ALL SCHEDULE

Contents of Display in Large LCD

MENU Button

Press the [MENU] button.

```
1.Ez MENU          6.VOICE MAIL
2.PHONE BOOK
3.SCHEDULE
4.CUSTOMIZE
5.SETTING
                        EXIT
```

4. CUSTOMIZE

4.1 CHANGE LANGUAGE

```
1.CHANGE LANG   6.BRIGHT LEVEL
2.REGISTER NAME
3.RING TYPE
4.SPKR/HEADSET
5.E-MIC MEADSET
  BACK                  EXIT
```

4.2 REGISTER NAME

```
1.CHANGE LANG   6.BRIGHT LEVEL
2.REGISTER NAME
3.RING TYPE
4.SPKR/HEADSET
5.E-MIC MEADSET
JAN
      ENTER NAME ( )
BACK        ABC>        OK
```

4.3 RING TYPE

```
1.ICM RING
2.ICM MELODY
3.CO RING
4.CO MELODY

  BACK                  EXIT
```

4.4 SPKR/HEADSET

```
1.CHANGE LANG   6.BRIGHT LEVEL
2.REGISTER NAME
3.RING TYPE
4.SPKR/HEADSET
5.E-MIC HEADSET
   SELECT SPEAKER/HEADSET
     (1:SPK  0:HEADSET) : 1
  BACK          SAVE          EXIT
```

4.5 E-MIC HEADSET

```
1.CHANGE LANG   6.BRIGHT LEVEL
2.REGISTER NAME
3.RING TYPE
4.SPKR/HEADSET
5.E-MIC HEADSET
        EAR-MIC HEADSET
        (1:ON/0:OFF) : OFF
  BACK          SAVE          EXIT
```

4.6 BRIGHT LEVEL

```
1.CHANGE LANG   6.BRIGHT LEVEL
2.REGISTER NAME
3.RING TYPE
4.SPKR/HEADSET
5.E-MIC HEADSET
■■■■■■■■■■■□□□□□
SELECT BY UP/DOWN KEY
BACK                  EXIT
```

5. SETTING

5.1 ENBLOCK MODE

```
1.ENBLOCK MODE
2.STATION COS
3.PASSWORD
4.SPEED PGM
5.ANSWER MODE
 ENBLOCK  MODE
      (1:ON/0:OFF)  : OFF
BACK          SAVE          EXIT
```

5.2 STATION COS

```
1.TEMPORARY COS
2.WALKING COS

BACK                  EXIT
```

5.3 PASSWORD

```
1.ENBLOCK MODE
2.STATION COS
3.PASSWORD
4.SPEED PGM
5.ANSWER MODE
   ENTER  PASSWORD :
BACK          SAVE          EXIT
```

5.4 SPEED PGM

```
1.ENBLOCK MODE
2.STATION COS
3.PASSWORD
4.SPEED PGM
5.ANSWER MODE

BACK                  EXIT
```

5.5 ANSWER MODE

```
1.ENBLOCK MODE
2.STATION COS
3.PASSWORD
4.SPEED PGM
5.ANSWER MODE
    ENTER  ICM  ANS  MODE
     H (1)    T (2)    P (3)
BACK          SAVE          EXIT
```

6. VOICE MAIL

6.1 INTERNAL VOICE MAIL

```
1.INT VOICE MAIL
2.EXT VOICE MAIL

BACK                  EXIT
```

6.2 EXTERNAL VOICE MAIL

```
1.INT VOICE MAIL
2.EXT VOICE MAIL

BACK                  EXIT
```

Entering Characters

Enter the figure

ABC ▶ abc ▶ NUM ▶ Dial

Enter the symbol

ABC ▶ abc ▶ NUM ▶ SYMBL ▶ Dial

▲▼ Norm 1 / 4 ◀▶

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⓪

↵ . ( ) - ! ? * _

※ Use the OK button and then select the symbol.

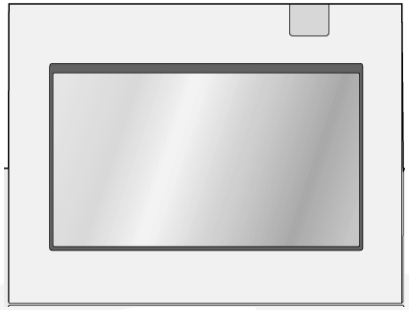
Enter the letters

ABC abc

A	2	N	6 + 6
B	2 + 2	O	6 + 6 + 6
C	2 + 2 + 2	P	7
D	3	Q	7 + 7
E	3 + 3	R	7 + 7 + 7
F	3 + 3 + 3	S	7 + 7 + 7 + 7
G	4	T	8
H	4 + 4	U	8 + 8
I	4 + 4 + 4	V	8 + 8 + 8
J	5	W	9
K	5 + 5	X	9 + 9
L	5 + 5 + 5	Y	9 + 9 + 9
M	6	Z	9 + 9 + 9 + 9

LCD/3 Soft Button / Navigation Button / Headset Jack

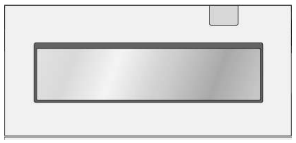
1. Large LCD (Liquid Crystal Display) :224x144 (9 line 32 character)



Note:

1. *Operating Voltage: 5V*
2. *Drive method: 1/144 Duty, 1/13.6 Bias*
3. *Viewing Direction: 6:00*
4. *Operating Temp: -10°C~60°C*
5. *Storage Temp: -10°C~60°C*
6. *Display type: FSTN,Positive*

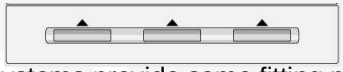
2. LCD (Liquid Crystal Display) : 3x24 (3 line 24 character)



Specification:

1) Display mode: TN/W-B/Positive/Reflective
2) Driving condition: 1/16 Duty, 1/5 Bias, Vop:4.5V
3) Viewing angle: 6 O'clock
4) Operating temp.: -10~60°C
   Storage temp.: -20~70°C
5) Unspecified tolerance is ±0.3mm

3. 3 Soft Button



IP LDK systems provide some fitting message.
It gives easy access to operations with a navigation key or volume up/down key.

For example, when a user gets busy, get a diplsay " message Wait", "Camp-On" and "Flash".
Then by pressing one of 3 soft button,
a user can activate the desired feature.

```
BUSY : STA 100
[CALLBK]  CAMP(*)   STEP
MSG       CAMP-ON   FLASH
```

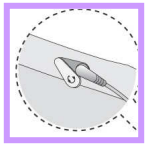
4. Navigation Button

Sometimes a system does not show all message for some operation, then the arrow key will be displayed the begin or end line. By pressing a navigation key of LDP-7000 series, others will be displayed.

```
STATION 100 (T)
FEB 01 04          05:34 pm
 FWD      CONF     REDIAL→
```

```
STATION 100 (T)
FEB 01 04          05:34 pm
←ICM
```

5. Headset Jack(Earphone Jack)



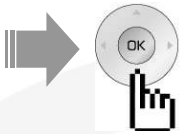
2.5mm Plug type

Navigation Key (Operation Sample)

Menu Button in Navigation key

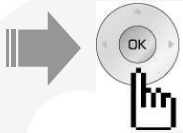
Press the [Menu] button.

```
1 BASIC PROGRAM
2. ADVANCED PROGRAM
                    OK
```



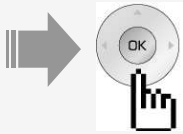
```
1. BASIC PROGRAM
2 ADVANCED PROGRAM
                    OK
```

Press the "▼" marked button . Or "OK"



```
3. SPEED PROGRAM
4. MOBILE EXTENSION PGM
                    OK
```

Press the "▼" marked button . Or "OK"



```
5. CONFERENCE ROMM PGM
6 HOT DESK PROGRAM   ☐
                    OK
```

Press the "▼" marked button . Or "OK"

Phone Book in Navigation key

The [PHONE BOOK] is the same feature as [Dial by name].

```
1. DIAL BY ICM NAME
2 DIAL BY STA SPD NAME
                    OK
```

Press the Phonebook button.

Press the "OK" button or OK

```
1:ABC(001)
2:DEF(002)
 BACK    NAME/TEL    SEND
```

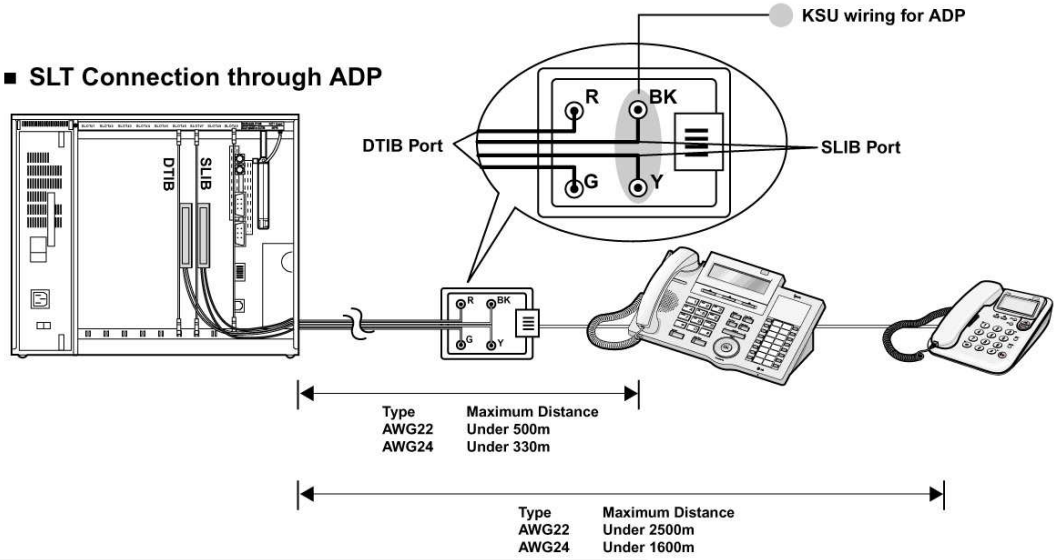
To check the number of the selected name, press the [NAME/TEL] button.
Use the Volume button or button to select the desired number and press the [SEND] button to make a call.

```
123456789
LINE 008          00:00:03
TRANS    CONF     MUTE→
```

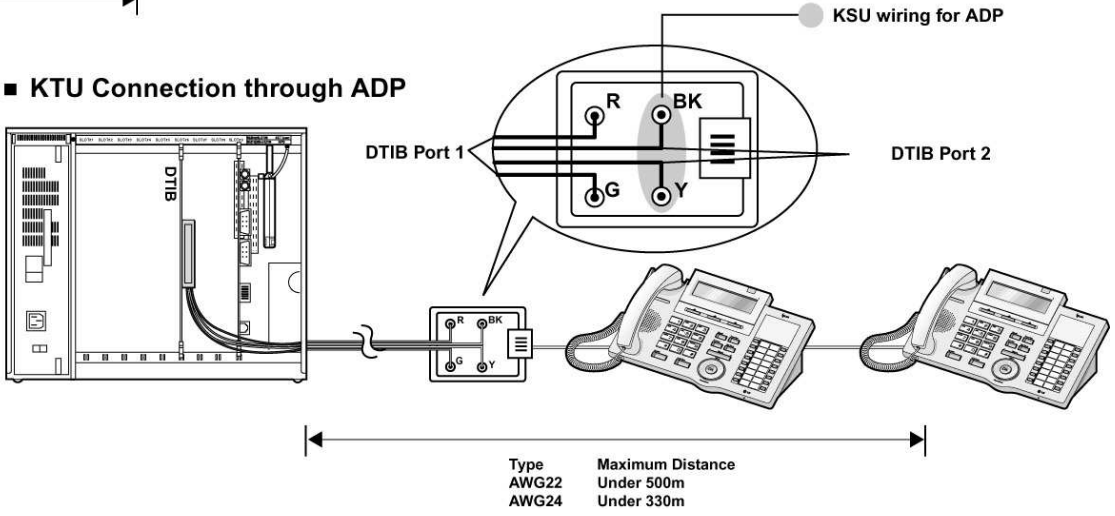
Talk.

ADP (Additional Device Port) connection (1)

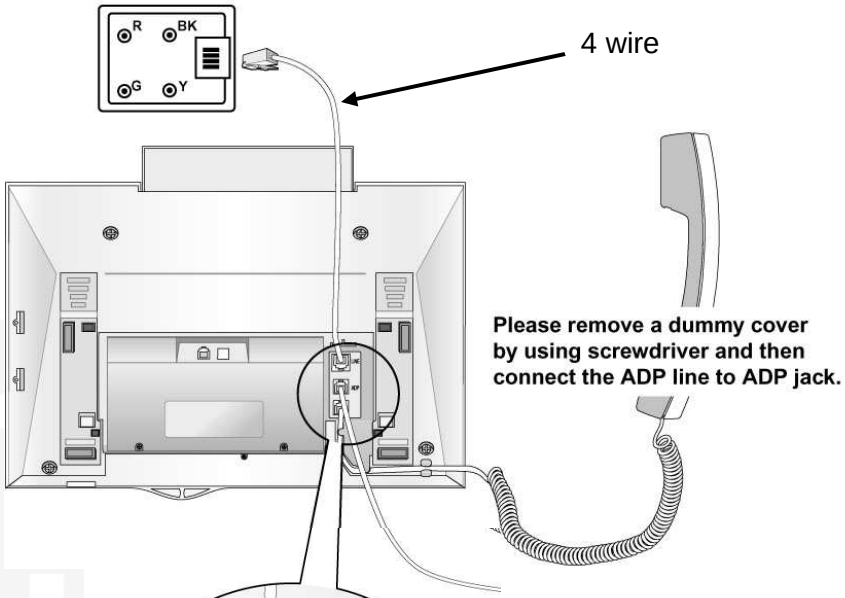
■ SLT Connection through ADP

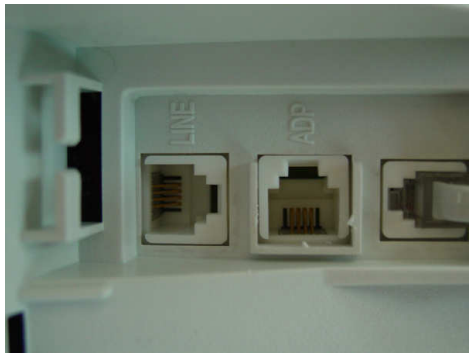


■ KTU Connection through ADP



ADP (Additional Device Port) connection (2)





or

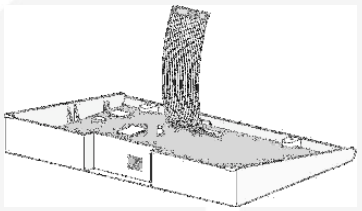
LDP-7000USB

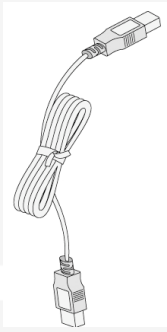
Enabled Individual Call Recording Feature thronging USB Module

Features Melody

- USB 1.1(Universal Series Bus) Interface.
- Enables you to record the messages on the phone.
- Enables you to save the recorded messages to file and to play the saved file.
- Enables you to send other people the file as an e-mail attachment.
- Available with LDP-7024D/24LD.
- Voice Recording Apllication Program required for recording.

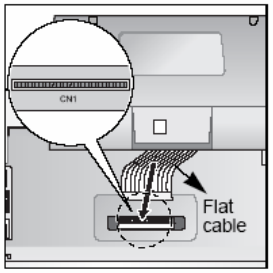
Installation





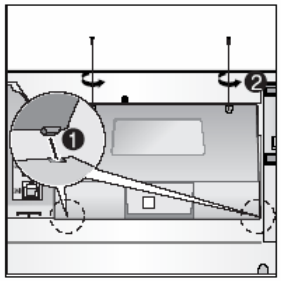
Ferrite core
(1ea)

Screw
(2ea)

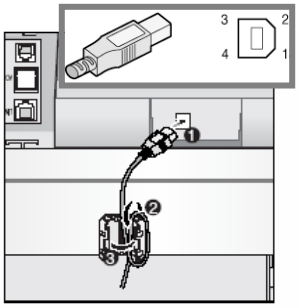


- Connect the flat cable into the optional connector on the keyset, making sure that it is connected securely.

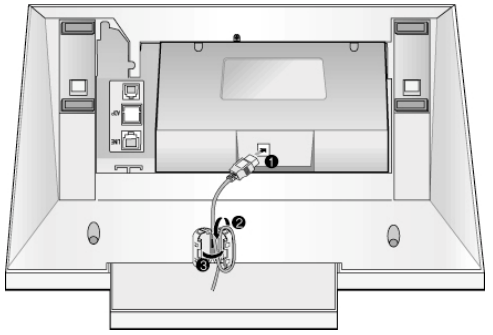
※ The connector number is different according to the keyset.
- LDP-7024D: CN1
- LDP-7024LD: CN6

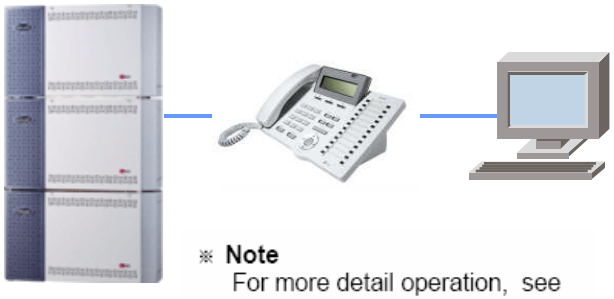


- Hook the option module cover onto the Keyset base (line up the protrusions on the cover with the receptacles on the keyset base).
And then turn the screw clockwise to tighten.



When connecting the USB cable to USB, a ferrite core must be attached for suppressing EMI.
(Wrap the cable once around the ferrite core, then close the case of the ferrite core.
Attach the ferrite core 3 cm away from the connector.)





※ **Note**
For more detail operation, see "the manual for your VR application software"

Maximum Length of the USB Cable is 3 meter.

※ **Caution Warning**
The Optional Unit connection should make earlier and break later than the line cord.

Set-up Application Program

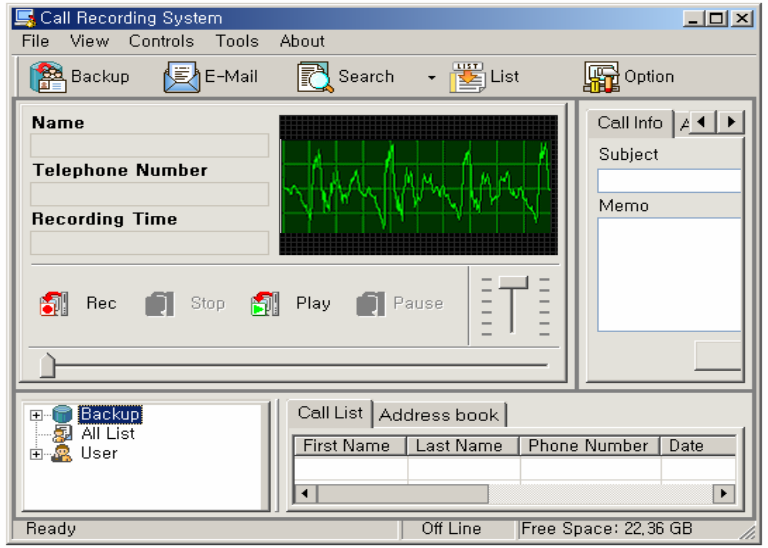
a. Extract the installation file : Setup_1.0Ae_New.zip

b. Click the setup file : Setup.exe

c. Setup start …… End (Yes Click for all guide)

d. Select the Drive :

C:\Program Files\LG Electronics\LGCRS\Win2kUSVDrv



Managing Software

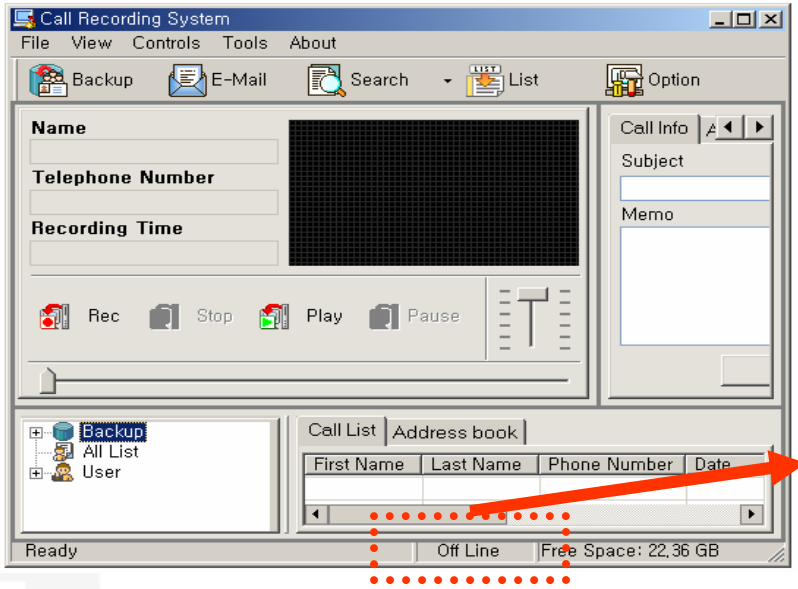
Start voice Recording

After Implement the USB and setup the Application Program

1) Click "LGCRS"

[Program "Execute" ICON]

2) Application Program



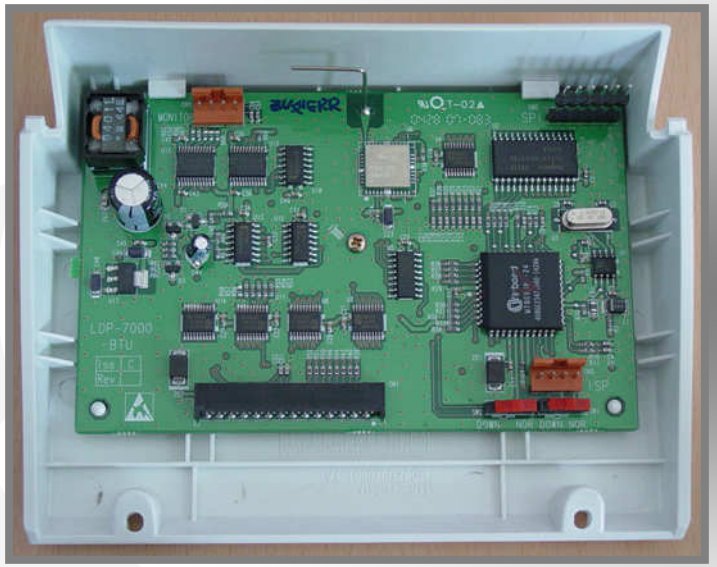
After connecting the USB to PC
With USB cable,
You can see newtwork status.

(OFF LINE to ON LINE)

LED Indications

LED	Function
LED1	Steady ON : Programmed PLD (Green)
LED2	Flickering : For Voice Recording
LED3	Flickering : Serial Data Communication

LDP-7000BTU



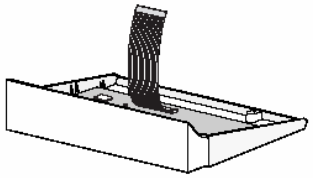
Wireless solution with Bluetooth Interface

Features Melody

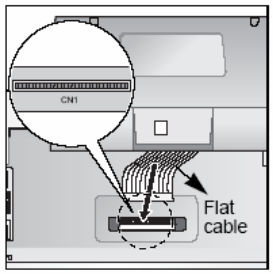
- Move freely around office
- Attendant, call center agents application
- Available with 7024D and 7024LD
- compliant with and adopts the Bluetooth Specification 1.1.
- Support Bluetooth Handfree or Headset Profile
- Interoperability between the LDP-7000BTU and other Bluetooth headset is not guaranteed because it depends on compatibility.
- Bluetooth headset model supported by LDP-7000BTU

Jabra BT-200 **Jabra BT-250** **Plantronics M3000** **Motorola HS810**

Installation

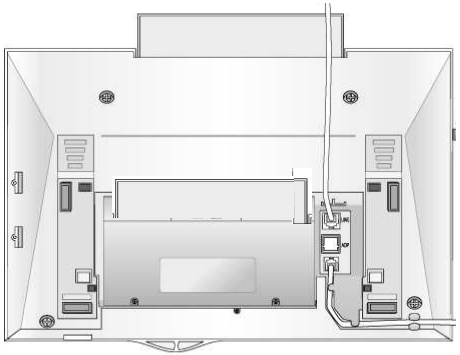


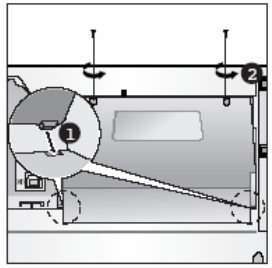
Screw
(2ea)



- Connect the flat cable into the optional connector on the keyset, making sure that it is connected securely.

※ The connector number is different according to the keyset.
- LDP-7024D: CN1
- LDP-7024LD: CN6





Hook the option module cover onto the Keyset base (line up the protrusions on the cover with the receptacles on the keyset base).
And then turn the screw clockwise to tighten.

※ **Caution Warning**
The Optional Unit connection should make earlier and break later than the line cord.

Description of BTU

System description

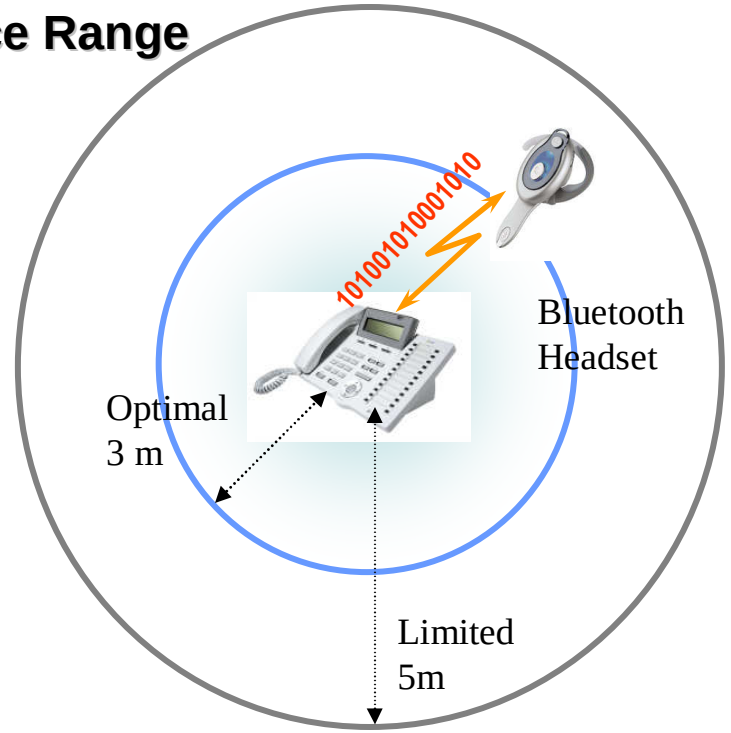
Frequency band(s) of operation	:	2400 – 2483.5 MHz
Operating frequency	:	2400 – 2483.5 MHz
Channel spacing/bandwidth	:	1 MHz
RF output power	:	- 0.3 dBm
Type of modulation	:	GFSK
Type of antenna	:	Mono Pole
Mode of operation (simplex/duplex)	:	duplex
Duty cycle (access protocol, if applicable)	:	Up to 100%
Equipment class	:	1

TÜV

Statement of Opinion
by the Notified Body TÜV Rheinland Product Safety GmbH
according to the R&TTE Directive 1999/5/EC
Notified under No. 0197 to the EC Commission

Registration No.: RT 60009409 0001
Report No.: 21113613 001

Performance Range



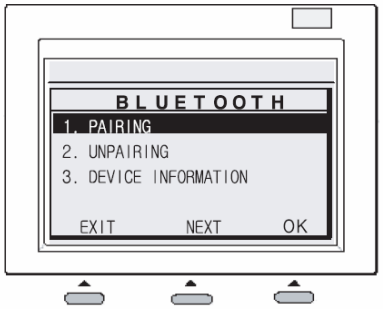
1. Optimal performance range : up to 3m.
2. Limited performance range : up to 5m.
3. Performance range may be decrease in case of the collision with the wireless LAN (802.11b)

Set-up BTU and BT headset

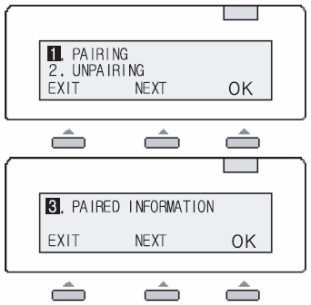
a. Enable the Bluetooht Usage (PGM + " * " + " 4 ")

b. Should first pair LDP-7000 BTU with the headset you want to use.
(PGM + " * " + " 3 ")

During pairing it is recommended that the headset and LDP-7000BTU are not more than 1 metre apart - with no solid objects in between.

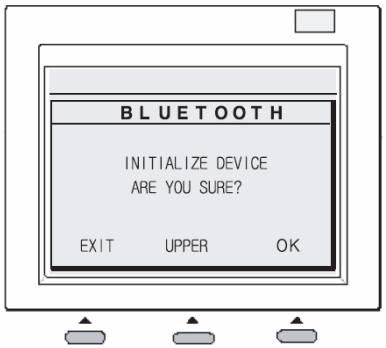


[LDP-7024LD]

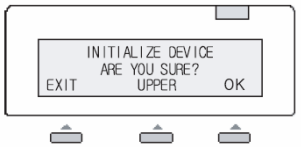


[LDP-7024D]

c. you can erase paired information and pair LDP-7000 BTU with new headset.
(PGM + " * " + " 3 ")



[LDP-7024LD]



[LDP-7024D]